

AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions and listings of claims in the application:

1. (Currently amended) ~~Process A process for the early detection of reactor fouling occurring during a gas phase polymerisation of olefin(s) using a fluidized bed reactor comprising having a fluidization grid, characterised in that the comprising fitting an upper part of the fluidization grid is fitted with devices capable of detecting [[the]] polymer agglomerates hitting said devices and giving an indicative signal thereof, said devices being automatically resettable to allow a device to give a further signal in case of another encounter with an agglomerate hitting said device.~~
2. (Currently amended) Process according to claim 1 wherein the devices comprise detection switches which protrude through the grid and which gives an give the indicative signal of the presence of agglomerates on the grid.
3. (Cancelled).
4. (Currently amended) Process according to any of the preceding claims ~~claim 1~~ wherein the devices are [[of a]] mechanical, electrical, electromechanical or pneumatic [[type]] devices, or a combination of one or more of the said types thereof.
5. (Currently amended) Process according to claim 4 wherein the devices are electromechanical devices.
6. (Currently amended) Process according to any of the preceding claims ~~claim 1~~ wherein the fluidized bed reactor is cylindrical and comprises a ~~the~~ fluidization grid [[which]] is a disc having a diameter comprised of between 2 and 7 m.

7. (Currently amended) Process according to ~~any of the preceding~~
claims claim 1 wherein the fluidization grid is fitted with at least [[4]] four devices
capable of detecting the polymer agglomerates.

8. (Cancelled).